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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/388,509
				Filing Date	September 2, 1999
				First Named Inventor	Yasushi Maruta
				Art Unit	2734
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	S1905.0086/P086

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
DHW	AA	5,548,813	08-20-1996	Charas et al.	
	AB	4,748,682	05-31-1998	Fukae et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
DHW	BA	JP-10-051215 (w/ English Abstract)	02-20-1998	Nippon Telegr & Teleph corp.		
	BB	EP-0744841	11-27-1996	Sony Corporation		
DHW	BC	EP-0715478	06-05-1996	Texas Instruments Inc.		

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	<del>Japanese Office Action issued April 9, 2002</del>	
DHW	CB	European Search Report issued 10/24/00 in a related application (English)	
DHW	CC	Patent Abstracts of Japan, vol. 1998, no. 11, 30 September 1998 and JP 10-174160 A (NTT IDO TSUSHINMO KK), 26 June 1993 *abstract*	
DHW	CD	Patent Abstracts of Japan, vol. 1996, no. 06, 28 June 1996 & JP 08-032347 A (Nippon Ido Tsushin KK: others: 01), 2 February 1996, *abstract*	

Examiner Signature	<i>Demetri Williams</i>	Date Considered	9/9/03
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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